

SEQUENCE LISTING

<110> Mueller, Sybille, Kohler, Heinz

<120> NUCLEOTIDE SEQUENCES ENCODING VARIABLE REGIONS OF HEAVY AND LIGHT CHAINS OF MONOCLONAL ANTIBODY 1F7, AN ANTI-IDIOTYPIC ANTIBODY REACTIVE WITH ANTI-HIV ANTIBODIES

<130> 200-013

<160> 38

<170> PatentIn version 3.0

<210> 1

<211> 37

<212> DNA

<213> mouse

<220>

<221> primer_bind

<222> (1)..(37)

<223> 1F7 heavy chain 5' primer

<400> 1

actagtcgac atgaaatgca gctgggtcat sttcttc

37

<210> 2

<211> 32

<212> DNA

<213> mouse

<220>

<221> primer_bind

<222> (1)..(32)

<223> 1F7 heavy chain 3' primer

<400> 2

cccaagctta cgagggggaa gacatttggg aa

32

<210> 3

<211> 33

<212> DNA

<213> mouse

<220>

<221> primer_bind

<222> (1)..(33)

<223> 1F7 light chain 5' primer

<400> 3

gggaattcat ggagacagac acactcctgc tat

33

<210> 4
 <211> 30
 <212> DNA
 <213> mouse

<220>
 <221> primer_bind
 <222> (1)..(30)
 <223> 1F7 light chain 3' primer

<400> 4
 cccaagctta ctggatggtg ggaagatgga 30

<210> 5
 <211> 363
 <212> DNA
 <213> mouse

<220>
 <221> gene
 <222> (1)..(362)
 <223> 1F7 VH chain gene

<400> 5
 caggttactc tgaaagagtc tggccctggg atattgcagc cctcccagac cctcagtctg 60
 acttggttctt tctctggggtt ttcactgagc acttctggta tgggtgtgag ctggattcga 120
 cagccttcag gaaaggggtct ggagtggctg gcacacattt actgggatga tgacaagcgc 180
 tataacccat ccctgaagag ccggcttaca atctccaagg atacctccag caaccaggta 240
 ttctctcaaga tcaccagtgt ggacactcga gatactgcca catactactg tgctcgaagg 300
 gtctctctaa ctgcctatgc tatggactac tgggggtcaag gaacctcagt caccgtctcc 360
 tca 363

<210> 6
 <211> 363
 <212> DNA
 <213> mouse

<220>
 <221> CDS
 <222> (1)..(363)
 <223> 1F7 VH chain gene

<400> 6
 cag gtt act ctg aaa gag tct ggc cct ggg ata ttg cag ccc tcc cag 48
 Gln Val Thr Leu Lys Glu Ser Gly Pro Gly Ile Leu Gln Pro Ser Gln
 1 5 10 15

Phe Leu Lys Ile Thr Ser Val Asp Thr Arg Asp Thr Ala Thr Tyr Tyr
85 90 95

```
<400> 10
act tct ggt atg ggt gtg agc
Thr Ser Gly Met Gly Val Ser
1 5
```

[illegible]

```
<400> 11
Thr Ser Gly Met Gly Val Ser
1          5
```

```

<220>
<221> CDS
<222> (1)..(42)
<223> 1F7 VH FR2 sequence

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42

<400> 13
Trp Ile Arg Gln Pro Ser Gly Lys Gly Leu Glu Trp Leu Ala
1 5 10

```
<220>
<221>   CDS
<222>   (1)..(48)
<223>   1F7 VH CDR2 sequence
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48

<210>	15
<211>	16
<212>	PRT
<213>	mouse

[illegible]

<400> 15
 His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser Leu Lys Ser
 1 5 10 15

<210> 16
 <211> 96
 <212> DNA
 <213> mouse

<220>
 <221> CDS
 <222> (1)..(96)
 <223> 1F7 VH FR3 sequence

<400> 16
 cgg ctt aca atc tcc aag gat acc tcc agc aac cag gta ttc ctc aag 48
 Arg Leu Thr Ile Ser Lys Asp Thr Ser Ser Asn Gln Val Phe Leu Lys
 1 5 10 15

atc acc agt gtg gac act cga gat act gcc aca tac tac tgt gct cga 96
 Ile Thr Ser Val Asp Thr Arg Asp Thr Ala Thr Tyr Tyr Cys Ala Arg
 20 25 30

<210> 17
 <211> 32
 <212> PRT
 <213> mouse

<400> 17
 Arg Leu Thr Ile Ser Lys Asp Thr Ser Ser Asn Gln Val Phe Leu Lys
 1 5 10 15

Ile Thr Ser Val Asp Thr Arg Asp Thr Ala Thr Tyr Tyr Cys Ala Arg
 20 25 30

<210> 18
 <211> 33
 <212> DNA
 <213> mouse

<220>
 <221> CDS
 <222> (1)..(33)
 <223> 1F7 VH CDR3 sequence

<400> 18
 agg gtc tct cta act gcc tat gct atg gac tac 33
 Arg Val Ser Leu Thr Ala Tyr Ala Met Asp Tyr
 1 5 10

```
<400> 19
Arg Val Ser Leu Thr Ala Tyr Ala Met Asp Tyr
1          5          10
```

```
<220>
<221> CDS
<222> (1)..(33)
<223> 1F7 VH FR4 sequence
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```
<400> 20
tgg ggt caa gga acc tca gtc acc gtc tcc tca
Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
1          5          10
```

<400> 21
Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
1 5 10

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<220>
<221> gene
<222> (1)..(330)
<223> 1F7 VL chain gene
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<400>	22						
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atctcctgca	aggccagcca	aagtgttgat	tatgatggtg	atagttatat	gtggtaccaa	120	
cagaaaccag	gacagccacc	caaactcctc	acctatgctg	catccaatct	agaatctggg	180	
atcccagcca	ggttttagtg	cagtgggtct	gggacagact	tcacctcaa	catccatcct	240	
gtggaggagg	aggatgctgc	aacctattac	tgtcagcttt	gtaatgagga	tcctcccacg	300	

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was plotted against the number of trials for each condition. The number of correct responses increased with the number of trials for all conditions. The number of correct responses was highest for the condition with the highest number of trials (10 trials) and lowest for the condition with the lowest number of trials (2 trials).

ttcggtgctg ggaccaagct ggagctgaaa

330

<210> 23
 <211> 330
 <212> DNA
 <213> mouse

<220>
 <221> CDS
 <222> (1)..(330)
 <223> 1F7 VL chain gene

<400> 23
 gac att gtg ctc acc aat tct cca gct tct ttg gct gtg tct cta ggg 48
 Asp Ile Val Leu Thr Asn Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
 1 5 10 15
 cag agg gcc acc atc tcc tgc aag gcc agc caa agt gtt gat tat gat 96
 Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr Asp
 20 25 30
 ggt gat agt tat atg tgg tac caa cag aaa cca gga cag cca ccc aaa 144
 Gly Asp Ser Tyr Met Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys
 35 40 45
 ctc ctc acc tat gct gca tcc aat cta gaa tct ggg atc cca gcc agg 192
 Leu Leu Thr Tyr Ala Ala Ser Asn Leu Glu Ser Gly Ile Pro Ala Arg
 50 55 60
 ttt agt ggc agt ggg tct ggg aca gac ttc acc ctc aac atc cat cct 240
 Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His Pro
 65 70 75 80
 gtg gag gag gag gat gct gca acc tat tac tgt cag ctt tgt aat gag 288
 Val Glu Glu Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Leu Cys Asn Glu
 85 90 95
 gat cct ccc acg ttc ggt gct ggg acc aag ctg gag ctg aaa 330
 Asp Pro Pro Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
 100 105 110

<210> 24
 <211> 110
 <212> PRT
 <213> mouse

<400> 24
 Asp Ile Val Leu Thr Asn Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
 1 5 10 15
 Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser Val Asp Tyr Asp
 20 25 30

Gly Asp Ser Tyr Met Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro Lys
 35 40 45

Leu Leu Thr Tyr Ala Ala Ser Asn Leu Glu Ser Gly Ile Pro Ala Arg
 50 55 60

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His Pro
 65 70 75 80

Val Glu Glu Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Leu Cys Asn Glu
 85 90 95

Asp Pro Pro Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
 100 105 110

<210> 25
 <211> 69
 <212> DNA
 <213> mouse

<220>
 <221> CDS
 <222> (1)..(69)
 <223> 1F7 VL FR1 sequence

<400> 25
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 Asp Ile Val Leu Thr Asn Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
 1 5 10 15

cag agg gcc acc atc tcc tgc 69
 Gln Arg Ala Thr Ile Ser Cys
 20

<210> 26
 <211> 23
 <212> PRT
 <213> mouse

<400> 26
 Asp Ile Val Leu Thr Asn Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
 1 5 10 15

Gln Arg Ala Thr Ile Ser Cys
 20

<210> 27
 <211> 42
 <212> DNA
 <213> mouse

27

```
<400> 36
Gln Leu Cys Asn Glu Asp Pro Pro Thr
1          5
```

30

<400> 38
Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
1 5 10